

CLAIMS

What is claimed is:

1. A magnetic field sensor comprising a few alternating layers of magnetorestrictive and piezoelectric material.
- 5 2. A magnetic field sensor comprising cantilevered layers of magnetorestrictive and piezoelectric material.
3. A magnetic field sensor comprising a magnetorestrictive substrate with piezoelectric layers on the substrate.
4. A magnetic recording read head comprising at least one magnetorestrictive layer and at least one piezoelectric layer.
- 10 5. A magnetic random access memory comprising piezoelectric and magnetorestrictive layers.
6. A sensor system for detecting rotor movement comprising a magnetic field sensor having magnetorestrictive and piezo electric materials.
7. A magnetic random access memory described in Claim 6, wherein the rotor is used as a flow speed detector.

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B1

Sub A1 15

B1

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